Special Issue

Freeform Optical Systems: Design and Applications

Message from the Guest Editors

Freeform optics is widely regarded as a revolutionary optical imaging technology. Compared with traditional rotationally symmetric surfaces (spherical or aspherical mirrors), freeform surfaces can have any asymmetry, have more flexible surface shapes, and can bring more design freedom to optical design. They have strong surface-description and good aberration-correction abilities. Therefore, freeform surfaces are particularly suitable for correcting aberrations in optical systems, especially for asymmetric optical systems. In this Special Issue, "Freeform Optical Systems: Design and Applications", we invite you to contribute your cutting-edge research findings in this exciting field. We are particularly interested in papers related to the following topics:

- Fundamental theories and principles of freeform optics design methods.
- Design methods for freeform imaging and non-imaging optical systems.
- Processing and testing methods for freeform optical components.
- Installation and adjustment methods of freeform optical systems.
- Applications of freeform optics.

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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